EPA Comment 8. Page 2-51. The time for importing electronic files for the Phase 1 data is estimated at 1 LOE per sample. In the same lines, the time for entering sample results for the historical data is estimated at 2.5 LOE per sample. These seem to be high estimates for these tasks.

CH2MHill Response: The LOE estimate for both electronic and historic data includes performing several tasks in order to import the data into the database and format it to a point where it is retrievable for table and figure preparation, and submittal to EPA in an acceptable format with the final deliverables. For the historic data, the following tasks will need to be performed: create a template to use in entering the various analytical groups and media into the database, review and organize the data packages by media and analytical group for the data entry person, assign sample numbers consistent with the nomenclature that will be used during this RI (station location, sample depth, sample number, etc.), hand-enter the analytical data, hand enter the sample information, proof the hand entered results, make any needed corrections, populate database fields with required information other than the analytical results, review all fields for completeness and accuracy, and upload data into the database system.

For the new data, we first prepare a sample tracking sheet listing all the samples collected in the field (including the QA/QC samples) along with pertinent sample information (station location, sample depth, sample number, type of sample, sampling method, sample date and time, and other). We use this sample tracking sheet to record the receipt of EDDs and to upload sample information into the database. When EDDs are received, the samples are logged into the sample tracking sheet. The EDDs are then broken down into individual spreadsheets and converted into an Equis-compatible format ready for upload into the database system. Additional fields required for database functionality are added and populated with information. All files are reviewed for completeness and accuracy before being uploaded into the database system. After its upload, the data is printed and verified versus the hard copy of the data for approximately 10 percent of the samples to ensure that qualifiers and other information has been converted accurately. At this stage, we also identify and upload into the database the various criteria, which will be used to evaluate the analytical results (e.g., the New Jersey technical requirements, MCLs, preliminary remedial goals). The LOE estimates in the Diamond Head Work Plan are based on our past experience with the LOE needed for data uploads for projects where we have not experienced issues with the validated data and could limit the number of uploads into the database - two assumptions we made for the Diamond Head data management task. The LOE may increase if we experience issues with the received data.

<u>Work Plan text:</u> Based on the above, we would like to maintain the estimated LOE in the draft Work Plan and not make any changes to the text.

EPA's Reply - The proposed time per sample still appears to be high for the data input tasks described. The Phase 1 data should already be in electronic format. The hours given in the workplan suggest that a P2 will spend 4 full-time weeks (160 hrs)

manipulating the electronic data to prepare it for upload to the database. The estimate for the historical data is that a P1 will spend 5 full-time weeks (200 hrs) entering about 80 samples for entry into the database. The estimated costs for these tasks (based on estimated billing rates and the given LOE hours) are $11,100 for the Phase 1 data and $12,200 for the historical data.

12/3/02 Jane Ebbert CH2MHill

[illegible] EDD into [illegible]

1/4

[illegible] is available from [illegible]

25% down 1 → 3/4

150

1 hr/sple - Data entry

2.25

1/2 QC

1 hr new [illegible]

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Briefly

1) Directly to Juliana → or P4 will change to the project

2) who'll be getting the SEP (Outline) in Edison

Ray Klimsack

3)

Dennis [illegible] (Weston)